## **CLAIMS**

We claim:

- A method of operating an intrusion detection system according to a business rule, comprising
  the steps of:
- awaiting an update time of the intrusion detection system;

responsive to occurrence of an update time, checking a validity condition of a business rule to determine whether a provision of the business rule is a newly operative provision;

if the provision of the business rule is a newly operative provision, altering an intrusion set according to the newly operative provision.

- 2. The method of claim 1, wherein the validity condition is a temporal validity condition.
- 1 3. The method of claim 1, wherein the validity condition is a network validity condition.
- 1 4. The method of claim 1, wherein the validity condition is a compound validity condition.

- 5. A method of operating an intrusion detection system according to a set of business rules,
- 2 comprising the steps of:
- awaiting an update time of the intrusion detection system;
  - responsive to occurrence of an update time, checking validity conditions of a plurality of business rules to determine whether a provision of any of the plurality of business rules is a newly operative provision;

for each provision of the plurality of business rules that is a newly operative provision, altering an intrusion set according to the newly operative provision.

- 6. The method of claim 5, wherein the validity condition is a temporal validity condition.
- 7. The method of claim 5, wherein the validity condition is a network validity condition.
- 1 8. The method of claim 5, wherein the validity condition is a compound validity condition.

- 9. A method of operating an intrusion detection system according to a set of business rules,
- 2 comprising the steps of:
- awaiting an update time of the intrusion detection system;
  - responsive to occurrence of an update time, checking validity conditions of the set of business rules to determine whether a provision of any of the set of business rules is a newly operative provision;

for each newly operative provision, checking an intrusion set to determine whether the newly operative provision applies to the intrusion set; and

if the new provision applies to the intrusion set, altering the intrusion set according to the newly operative provision.

- 1 10. The method of claim 9, wherein the validity condition is a temporal validity condition.
- 1 11. The method of claim 9, wherein the validity condition is a network validity condition.

- 1 12. The method of claim 9, wherein the validity condition is a compound validity condition.
- 1 13. The method of claim 9, wherein the step of altering the intrusion set includes the step of
- 2 altering a signature of the intrusion set.
  - 14. The method of claim 9, wherein the step of altering the intrusion set includes the step of altering a threshold of the intrusion set.
  - 15. The method of claim 9, wherein the step of altering the intrusion set includes the step of altering an action of the intrusion set.
- 1 16. The method of claim 9, wherein the step of altering the intrusion set includes the step of
- 2 altering a weight of the intrusion set.

- 1 17. The method of claim 9, wherein the update time is a scheduled time.
- 1 18. The method of claim 9, wherein the update time is one of a plurality of update times that
- 2 occur substantially periodically.
- 1 19. The method of claim 9, wherein the update time is a computed update time.
  - 20. The method of claim 9, wherein the set of business rules includes exactly one individual rule.
  - 21. The method of claim 9, wherein the set of business rules includes more than one individual rule.